

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/37925

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12N 5/00, 5/02, 15/00, 15/09, 15/63, 15/70, 15/74, 15/85, 15/87; A01K 67/00, 67/03, 67/027
US CL : 435/325, 320.1, 455, 463; 800/13, 14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/325, 320.1, 455, 463; 800/13, 14

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	TREMPUS, C.S. et al. Enrichment for Living Murine Keratinocytes from the Hair Follicle Bulge with the Cell Surface Marker CD34. <i>J. Invest. Dermatology</i> . April 2003, Vol 120, No. 4, pages 501-511.	1-6
X	YUAN, X. et al. Expression of the Green Fluorescent Protein in the Oligodendrocyte Lineage: A Transgenic Mouse for Developmental and Physiological Studies. <i>J. of Neuroscience Research</i> . 2002, Vol 70, pages 529-545.	7, 9-16
X	ROY, N.S. et al. Identification, Isolation, and Promoter-Defined Separation of Mitotic Oligodendrocyte Progenitor Cells from the Adult Human Subcortical White Matter. <i>J. of Neuroscience</i> . November 14, 1999, Vol 19, No. 22, pages 9986-9995.	7, 9-16
X	FUJIKAWA, T. et al. Purification of Adult Hepatic Progenitor Cells Using Green Fluorescent Protein (GFP)-Transgenic Mice and Fluorescence-Activated Cell Sorting. <i>J. of Hepatology</i> . 20003, Vol. 39, pages 162-170.	7, 9-16

Further documents are listed in the continuation of Box C.

See patent family annex.

Special categories of cited documents:	
"A"	document defining the general state of the art which is not considered to be of particular relevance
"E"	earlier application or patent published on or after the international filing date
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
"O"	document referring to an oral disclosure, use, exhibition or other means
"P"	document published prior to the international filing date but later than the priority date claimed
"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"&"	document member of the same patent family

Date of the actual completion of the international search

28 April 2005 (28.04.2005)

Date of mailing of the international search report

11 MAY 2005

Name and mailing address of the ISA/US

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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	COFFIN, R.S. et al. Pure Populations of Transduced Primary Human Cells Can Be Produced Using GFP Expressing Herpes Virus Vectors and Flow Cytometry. <i>Gene Therapy</i> . 1998, Vol. 5, pages 718-722.	7, 9-16
X	BARTZ, H. et al. Large-Scale Isolation of Immature Dendritic Cells with Features of Langerhans Cells By Sorting CD34+ Cord Blood Stem Cells Cultured in the Presence of TGF- β 1 for Cutaneous Leukocyte Antigen (CLA). <i>J. of Immunological Methods</i> . 2003, Vol. 275, pages 137-148.	7, 8-16
X	PUNZEL, M. et al. The Type of Stromal Feeder Used in Limiting Dilution Assays Influences Frequency and Maintenance of Human Long-Term Culture Initiating Cells. <i>Leukemia</i> . 1999, Vol. 13, page 92-97.	17-18
X	KRESTEL, H.E. et al. A GFP-Equipped Bidirectional Expression Module Well Suited for Monitoring Tetracycline-Regulated Gene Expression in Mouse. <i>Nucleic Acids Research</i> . 2001, Vol. 29, Vo. 7, pages 1-6.	19-20

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Continuation of B. FIELDS SEARCHED Item 3:

Capus, medline, embase, biosis, lifesci, west

Search terms: cell sort, FACS, CD34+, fibroblast, calcium, BMP-6, FGF-18, hematopoietic, transgenic, tetracycline